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<110>   Somlo, Stefan
        Mochizuki, Toshio

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Ser Cys Ser Arg Gln Ala Trp Ser Arg Asp Asn Pro Gly Glu Glu Glu
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            100   105   110

Val Glu Met Asp Val Glu Trp Arg Pro Gly Ser Arg Arg Ser Ala Ala
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Ser Ser Ala Val Ser Ser Val Gly Ala Arg Ser Arg Gly Leu Gly Gly
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Tyr His Gly Ala Gly His Pro Ser Gly Arg Arg Arg Arg Arg Glu Asp
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Gln Gly Pro Pro Cys Pro Ser Pro Val Gly Gly Asp Pro Leu His
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Arg His Leu Pro Leu Glu Gly Gln Pro Pro Arg Val Ala Trp Ala Glu
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Gly Thr Glu Ala Asp Asn Arg Ser Phe Ile Phe Tyr Glu Asn Leu Leu

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Gln Val Leu Val Arg Arg Val Asp Arg Met Glu His Ser Ile Gly Ser
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Thr Val Val Lys Tyr Tyr Glu Met Leu Tyr Ile Phe Phe Ser Val Leu
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Leu Ala Gly Ala Val Phe Phe Thr Ser Cys Lys Met Ile Arg Ile Leu
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Arg Phe Asn Arg Arg Ile Gly Val Leu Ala Ala Thr Leu Asp Asn Ala
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Tyr Arg Ser Leu Met Ala Thr Phe Gln Thr Ala Leu Ala Gly Met Leu
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Gly Lys Leu Asp Val Thr Ser Ile Gln Pro Xaa Xaa Xaa Xaa Xaa Ile
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Ser Gln Phe Ala Phe Val Val Ile Met Leu Tyr Met Ile Glu Phe Glu
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Gly Glu Xaa Ala Trp Gln Glu Ile Glu Arg Cys Gly Xaa Thr Asp Leu
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Ala Tyr Val Tyr Phe Val Ser Phe Ile Phe Phe Cys Ser Phe Leu Met
                180                 185                 190


Leu Asn Leu Phe Val Ala Val Ile Met Asp Asn Phe Glu Tyr Leu Thr
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Asn Ser Glu Glu Arg Gly Thr Gln Ala Asp Trp Glu Ser Pro Glu Arg
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Cys Ala Ala Val Gly Ala Ser Leu Ala Ala Pro Gly Gly Leu Cys Glu
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Gln Arg Gly Leu Glu Ile Glu Met Gln Arg Ile Arg Gln Ala Ala Ala
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Arg Asp Pro Pro Ala Gly Ala Ala Ala Ser Pro Ser Pro Pro Leu Ser
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Ser Cys Ser Arg Gln Ala Trp Ser Arg Asp Asn Pro Gly Phe Glu Ala
                85                  90                  95


Glu Glu Glu Glu Glu Glu Val Glu Gly Glu Glu Gly Gly Met Val Val
                100                 105                 110


Glu Met Asp Val Glu Trp Arg Pro Gly Ser Arg Arg Ser Ala Ala Ser
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Ser Ala Val Ser Ser Val Gly Ala Arg Ser Arg Gly Leu Gly Gly Tyr
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His Gly Ala Gly His Pro Ser Gly Arg Arg Arg Arg Glu Asp Gln
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Gly Pro Pro Cys Pro Ser Pro Val Gly Gly Gly Asp Pro Leu His Arg
                165                 170                 175


His Leu Pro Leu Glu Gly Gln Pro Pro Arg Val Ala Trp Ala Glu Arg
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                180   185   190

Leu Val Arg Gly Leu Arg Gly Leu Trp Gly Thr Arg Leu Met Glu Glu
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Ser Ser Thr Asn Arg Glu Lys Tyr Leu Lys Ser Val Leu Arg Glu Leu
        210   215   220

Val Thr Tyr Leu Leu Phe Leu Ile Val Leu Cys Ile Leu Thr Tyr Gly
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Met Met Ser Ser Asn Val Tyr Tyr Tyr Thr Arg Met Met Ser Gln Leu
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Phe Leu Asp Thr Pro Val Ser Lys Thr Glu Lys Thr Asn Phe Lys Thr
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Leu Ser Ser Met Glu Asp Phe Trp Lys Phe Thr Glu Gly Ser Leu Leu
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Asp Gly Leu Tyr Trp Lys Met Gln Pro Ser Asn Gln Thr Glu Ala Asp
    290   295   300

Asn Arg Ser Phe Ile Phe Tyr Glu Asn Leu Leu Leu Gly Val Pro Arg
305   310   315   320

Ile Arg Gln Leu Arg Val Arg Asn Gly Ser Cys Ser Ile Pro Gln Asp
            325   330   335

Leu Arg Asp Glu Ile Lys Glu Cys Tyr Asp Val Tyr Ser Val Ser Ser
            340   345   350

Glu Asp Arg Ala Pro Phe Gly Pro Arg Asn Gly Thr Ala Trp Ile Tyr
        355   360   365

Thr Ser Glu Lys Asp Leu Asn Gly Ser Ser His Trp Gly Ile Ile Ala
    370   375   380

Thr Tyr Ser Gly Ala Gly Tyr Tyr Leu Asp Leu Ser Arg Thr Arg Glu
385   390   395   400

Glu Thr Ala Ala Gln Val Ala Ser Leu Lys Lys Asn Val Trp Leu Asp
            405   410   415

Arg Gly Thr Arg Ala Thr Phe Ile Asp Phe Ser Val Tyr Asn Ala Asn
            420   425   430

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Ile Asn Leu Phe Cys Val Val Arg Leu Leu Val Glu Phe Pro Ala Thr
        435   440   445

Gly Gly Val Ile Pro Ser Trp Gln Phe Gln Pro Leu Lys Leu Ile Arg
    450   455   460

Tyr Val Thr Thr Phe Asp Phe Phe Leu Ala Ala Cys Glu Ile Ile Phe
465   470   475   480

Cys Phe Phe Ile Phe Tyr Tyr Val Val Glu Glu Ile Leu Glu Ile Arg
            485   490   495

Ile His Lys Leu His Tyr Phe Arg Ser Phe Trp Asn Cys Leu Asp Val
        500   505   510

Val Ile Val Val Leu Ser Val Val Ala Ile Gly Ile Asn Ile Tyr Arg
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Thr Ser Asn Val Glu Val Leu Leu Gln Phe Leu Glu Asp Gln Asn Thr
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Phe Pro Asn Phe Glu His Leu Ala Tyr Trp Gln Ile Gln Phe Asn Asn
545   550   555   560

Ile Ala Ala Val Thr Val Phe Phe Val Trp Ile Lys Leu Phe Lys Phe
            565   570   575

Ile Asn Phe Asn Arg Thr Met Ser Gln Leu Ser Thr Thr Met Ser Arg
        580   585   590

Cys Ala Lys Asp Leu Phe Gly Phe Ala Ile Met Phe Phe Ile Ile Phe
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Leu Ala Tyr Ala Gln Leu Ala Tyr Leu Val Phe Gly Thr Gln Val Asp
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Asp Phe Ser Thr Phe Gln Glu Cys Ile Phe Thr Gln Phe Arg Ile Ile
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Leu Gly Asp Ile Asn Phe Ala Glu Ile Glu Glu Ala Asn Arg Val Leu
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Gly Pro Ile Tyr Phe Thr Thr Phe Val Phe Phe Met Phe Phe Ile Leu
            660   665   670

Leu Asn Met Phe Leu Ala Ile Ile Asn Asp Thr Tyr Ser Glu Val Lys
        675   680   685

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Ser Asp Leu Ala Gln Gln Lys Ala Glu Met Glu Leu Ser Asp Leu Ile
    690   695   700

Arg Lys Gly Tyr His Lys Ala Leu Val Lys Leu Lys Leu Lys Lys Asn
705   710   715   720

Thr Val Asp Asp Ile Ser Glu Ser Leu Arg Gln Gly Gly Gly Lys Leu
            725   730   735

Asn Phe Asp Glu Leu Arg Gln Asp Leu Lys Gly Lys Gly His Thr Asp
            740   745   750

Ala Glu Ile Glu Ala Ile Phe Thr Lys Tyr Asp Gln Asp Gly Asp Gln
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Glu Leu Thr Glu His Glu His Gln Gln Met Arg Asp Asp Leu Glu Lys
    770   775   780

Glu Arg Glu Asp Leu Asp Leu Asp His Ser Ser Leu Pro Arg Pro Met
785   790   795   800

Ser Ser Arg Ser Phe Pro Arg Ser Leu Asp Asp Ser Glu Glu Asp Asp
            805   810   815

Asp Glu Asp Ser Gly His Ser Ser Arg Arg Arg Gly Ser Ile Ser Ser
            820   825   830

Gly Val Ser Tyr Glu Glu Phe Gln Val Leu Val Arg Arg Val Asp Arg
            835   840   845

Met Glu His Ser Ile Gly Ser Ile Val Ser Lys Ile Asp Ala Val Ile
    850   855   860

Val Lys Leu Glu Ile Met Glu Arg Ala Lys Leu Lys Arg Arg Glu Val
865   870   875   880

Leu Gly Arg Leu Leu Asp Gly Val Ala Glu Asp Glu Arg Leu Gly Arg
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Asp Ser Glu Ile His Arg Glu Gln Met Glu Arg Leu Val Arg Glu Glu
            900   905   910

Leu Glu Arg Trp Glu Ser Asp Asp Ala Ala Ser Gln Ile Ser His Gly
    915   920   925

Leu Gly Thr Pro Val Gly Leu Asn Gly Gln Pro Arg Pro Arg Ser Ser
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Asn Gly Ser Ser Asn Val His Val
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